

CENTRAL PNEUMATIC®
Professional

PORTABLE COMPRESSED CO₂ REGULATOR

Model 99901

OPERATING INSTRUCTIONS



Distributed exclusively by Harbor Freight Tools®.

3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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For technical questions or replacement parts, please call 1-800-444-3353.

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

Safety Alert Symbol and Signal Words

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING – When using regulators, basic precautions should always be followed, including the following:



General

- a. To reduce the risks of electric shock, fire, and injury to persons, read all the instructions before using the regulator.

Work area

- a. Keep the work area clean and well **lighted**. Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.
- b. **Keep bystanders, children, and visitors away while operating the regulator.** Distractions are able to result in the loss of control of the regulator.

Personal safety

- a. **Stay alert. Watch what you are doing and use common sense when operating the regulator. Do not use the regulator while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the regulator increases the risk of injury to persons.
- b. **Avoid unintentional starting. Be sure the tool switch is off before connecting to the CO₂ Regulator.** Do not connect the tool to the CO₂ Regulator with the switch on.
- c.  **Always wear eye protection.** Wear ANSI-approved safety goggles.
- d.  **Always wear hearing protection when using the regulator.** Prolonged exposure to high intensity noise is able to cause hearing loss.
- f. **Do not use the regulator if the Regulator Control Knob does not function properly.** Any regulator that cannot be controlled is dangerous and must be repaired.
- g. **Disconnect the tool from the CO₂ Regulator before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the CO₂ supply, safely discharge any residual pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.
- h. **Store the regulator and gas canister when idle out of reach of children and other untrained persons.** A regulator is dangerous in the hands of untrained users.
- i. **Do not exceed 150 PSI input pressure.**

Regulator use and care

- a. **Use only with tools specifically designed for use with bottled gasses.**
- b. **Read tool manual before connection and/or use.**
- c. **Assemble, use and store in a well-ventilated area only.** Carbon dioxide gas is invisible and odorless can accumulate in confined spaces.
- d. **Use with carbon dioxide gas only.**
- e. **Attach the Hose properly to the Regulator and tool before use.** A loose Hose may detach or break during operation.
- j. **WARNING: The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety code 25249.5, et seq.)**
- k. **The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur.** It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.





Service

- a. ***Regulator service must be performed only by qualified repair personnel.*** Replacement parts are not available for this product. Discard product if it cannot be repaired by technician.
- b. **Inspect before every use; do not use if parts are loose or damaged.**



**SAVE THESE
INSTRUCTIONS.**

Symbol Definitions

Symbol	Property or statement
PSI	Pounds per square inch of pressure
CFM	Cubic Feet per Minute flow
SCFM	Cubic Feet per Minute flow at standard conditions
NPT	National pipe thread, tapered
NPS	National pipe thread, straight
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.
	WARNING marking concerning Risk of Hearing Loss. Wear hearing protection.
	WARNING marking concerning Risk of Respiratory Injury. Wear NIOSH-approved dust mask/respirator.
	WARNING marking concerning Risk of Explosion.

SPECIFICATIONS

Maximum Input Pressure	150 PSI
CO ₂ Inlet	1/2" -14 TPI
CO ₂ Bottle Size	Standard 20 Oz. size with 1/2" x 14 TPI Thread
Hose Fittings	Female Quick Connectors

UNPACKING

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown throughout the manual as soon as possible.

- This product may be shipped with a protective plug covering the air inlet/outlet. Remove this plug before set up.

OPERATION



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.



TO PREVENT SERIOUS INJURY AND DEATH:

The work, setup, and storage areas must all be well ventilated. CO₂ is an invisible odorless gas which can cause serious injury or death if it accumulates.

! WARNING

TO PREVENT EXPLOSION:



Use only clean, dry, bottled, compressed CO₂ with this regulator. Do not use oxygen or any other gas.

! WARNING

TO PREVENT SERIOUS INJURY:

Do not adjust any control or component in a way not specifically explained within this manual. Improper adjustment can result in regulator failure or other serious hazards.



1. Close the Regulator Control Knob completely by turning it counterclockwise.



Bottom View of Item

2. Insert a standard 20 oz. CO₂ bottle (not included) into the opening at the bottom of the regulator. Turn the canister clockwise to screw it into the Connector. Tighten firmly to prevent leaks.
3. Adjust the Regulator Control Knob so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.
4. Inspect the air connections for leaks. Tighten connections to eliminate leaks.
5. Connect Hose to tool (not included) by pressing coupler onto inlet.
6. The CO₂ Regulator has a built in hook that can be used to hang it from a belt.
7. Connect the Hose to the CO₂ Regulator by pressing it onto the outlet.
8. The pressure supplied to the tool can be adjusted by turning the Regulator Control Knob. Turn counterclockwise to reduce pressure. Turn clockwise to increase pressure. The pressure setting is shown on the Output Gas Pressure Dial.
9. Adjust the Regulator knob to the pressure recommended by the tool manufacturer. **Do not exceed the tool's maximum air pressure rating.**

Note: Residual air pressure should not be present after the tool is disconnected from the CO₂ supply. However, it is a good safety measure to attempt to discharge the tool in a safe fashion after disconnecting to ensure that the tool is disconnected and unpowered.

10. As the contents of your CO₂ canister are used up, the available pressure will decrease. Available pressure will eventually fall below your regulator setting. The dial will show a lower pressure reading than desired. When pressure is no longer adequate, replace the CO₂ Canister. Dispose of used canisters according to solid waste disposal instructions.
11. To prevent accidents, turn off the tool, detach the CO₂ Regulator from tool and canister, and safely discharge any residual air pressure in the tool after use.

USER-MAINTENANCE INSTRUCTIONS



Procedures not specifically explained in this manual must be performed only by a qualified technician.

1. Detach tool and CO₂ canister, then clean external surfaces of the regulator with clean, dry cloth.
2. Store the regulator indoors out of children's reach.

Note: Since this regulator is not user-serviceable, no assembly diagram or parts list are available for this tool.

Troubleshooting		
Problem	Possible Causes	Likely Solutions
Decreased output.	<ol style="list-style-type: none"> 1. Not enough air pressure and/or air flow. 2. Air leaking from loose hose connection. 3. Mechanism contaminated. 4. CO₂ pressure is low or depleted. 	<ol style="list-style-type: none"> 1. Check for loose connections and make sure that regulator is set at required pressure. Do not exceed maximum air pressure. 2. Make sure hose is properly connected and tight. 3. Have qualified technician clean mechanism. 4. Replace CO₂ canister.
Severe air leakage. (Slight air leakage is normal, especially on older tools.)	<ol style="list-style-type: none"> 1. Cross-threaded components. 2. Incorrectly installed CO₂ canister. 3. Damaged valve or hose. 	<ol style="list-style-type: none"> 1. Check for incorrect alignment and uneven gaps. If cross-threaded, disassemble and replace damaged parts before use. 2. Reinstall if cross threaded. Tighten if loose. Make sure o-ring is in place at top of regulator threaded connection. 3. Replace or repair damaged hose. Have qualified technician repair valve.
Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect air supply before service.		

LIMITED 1 YEAR WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.